

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040686 A2

(51) International Patent Classification⁷: **F24F**

(21) International Application Number: **PCT/KR2004/002375**

(22) International Filing Date: 16 September 2004 (16.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2003-0074382 23 October 2003 (23.10.2003) KR

(71) Applicant (*for all designated States except US*): **LG ELECTRONICS INC. [KR/KR]; 20, Yoido-Dong, Yong-dungpo-Gu, Seoul 150-010 (KR).**

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **EOM, Yoon-Seob [KR/KR]; Woosung Apt. 101-1006, Namyang-Dong, Changwon, Gyungsangnam-Do 641-091 (KR). KOO, Jeong-Hwan [KR/KR]; 18/4, 1346-22 Daeyeon 5-Dong, Nam-Gu, Busan 608-808 (KR). PARK, Nae-Hyun [KR/KR]; 17-346 Bulgwang 1-Dong, Eunpyeong-Gu,**

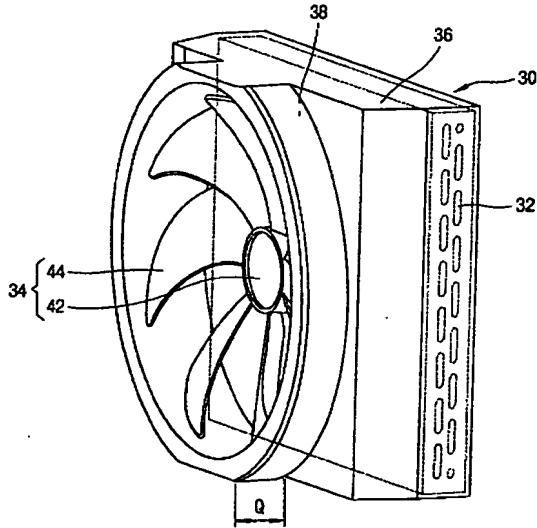
(53) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(74) Agent: **PARK, Jang-Won; Jewoo Bldg., 5th Floor, 200, Nonhyun-Dong, Gangnam-Gu, Seoul 135-010 (KR).**

(81) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: WINDOW TYPE AIR CONDITIONER



(57) Abstract: A window type air conditioner comprises: a case of which one side is positioned indoors and another side is positioned outdoors; an axial fan mounted in the case for blowing the air in the radius direction thereof; a shroud having the axial fan therein and for guiding the air blown by the axial fan; and an orifice formed at the entrance of the shroud and covering the axial fan not to expose the axial fan to outside in order to prevent sucked air from colliding with the blade of the axial fan in the radius direction. According to this, the entire size of the air conditioner is minimized, noise is reduced, and the air volume passing through the outdoor heat exchanger is increased.

WO 2005/040686 A2



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*